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INS412A

OWNER'S MANUAL

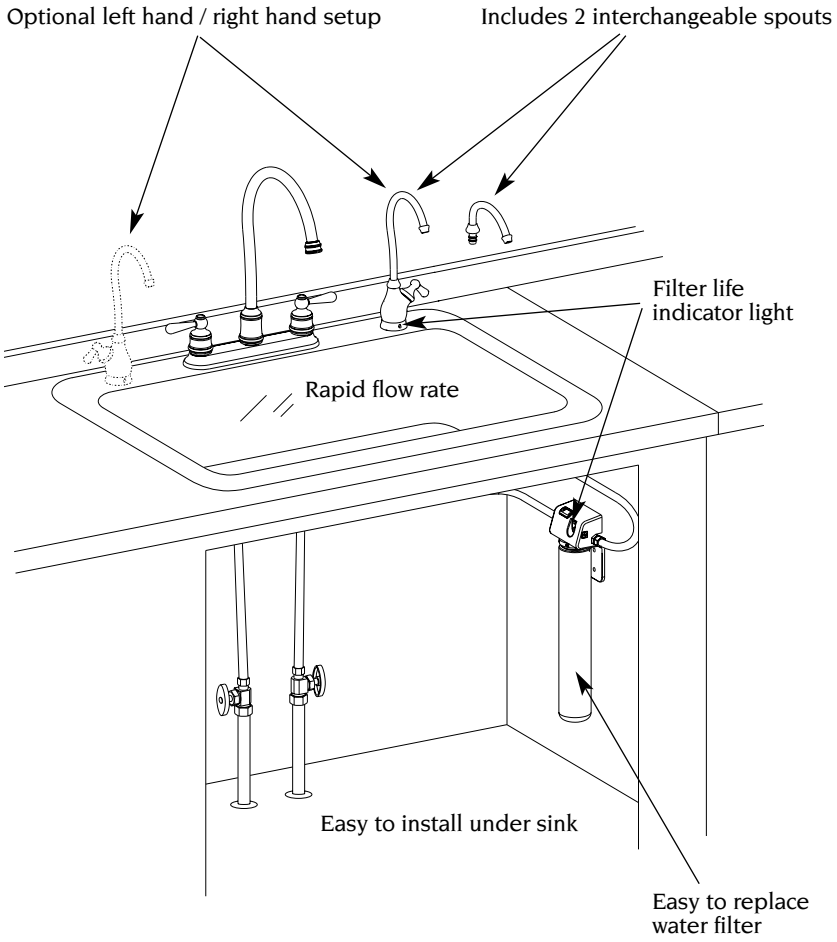
PureTouch® AquaSuite™

With Under Sink Water Filtration System

Model Numbers 77100, 77100W, 77100S, 77100V, 77100P, 77100CPR, 77100SL, 77100PM, 77100ST, 77100CG, 77100BP, 77100NL

U.S. Patent Pending
Other Foreign and Domestic Patents Pending

PRODUCT FEATURES



WELCOME TO MOEN

Congratulations on your purchase of the PureTouch® AquaSuite™ Under Sink Water Filtration System! This water filtration system is designed to provide great tasting, cleaner water where and when you want it. To get the most enjoyment from your PureTouch AquaSuite, please read all installation and operating instructions carefully. With simple care and maintenance, the AquaSuite will provide many years of reliable performance. If you should have any questions, please call us toll-free at 1-877-DRINK-H2O (1-877-374-6542).

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WATER FILTRATION SAFEGUARDS

Your Moen PureTouch® AquaSuite System utilizes carbon block filtration made by Culligan®. This technology is fast and effective at reducing contaminants commonly found in water and is certified by NSF® International. To ensure optimal operation of your new PureTouch filtration system, please read the following safeguards carefully.

MicroTech® Filters

- MicroTech filters will reduce:
  Chlorine, Taste and Odor
  Lead
  Cysts (Cryptosporidium, Giardia)
  Lindane
  Atrazine
  Mercury
  Turbidity

  The contaminants removed or reduced by this filter are not necessarily in your water.

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters, since they may also contain filterable cysts.
- MicroTech filters are designed for replacement after dispensing 750 gallons of filtered water, or after 6 months (whichever comes sooner). Water conditions and usage may affect filter life.
- The electronic indicator will signal when filter replacement is necessary (See "Operating Instructions" on page 11).
- Use only MicroTech 9000 filters with the PureTouch AquaSuite.
- Filter flow rate = 1 gpm at rated pressure.
- Maximum operating pressure = 125 psi.

Water Temperature

- **CAUTION: Do not filter water above 100°F (37° C). For cold water supply only.**

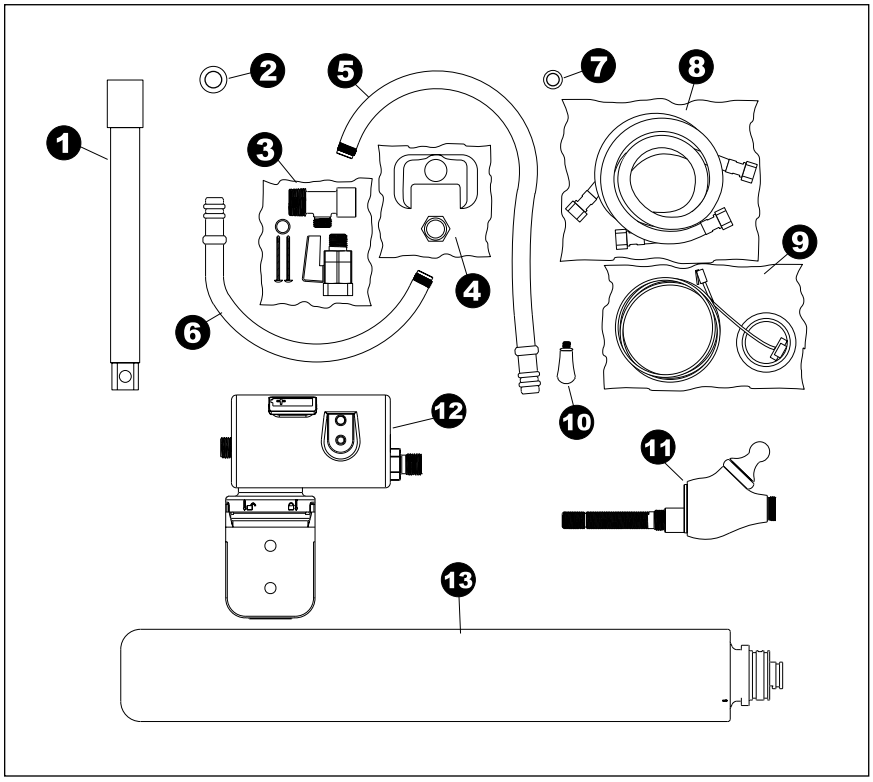
MicroTech® Filter Flushing Instructions

- New MicroTech Filter: After installing a new filter, allow cold water to run through a new filter for 5 minutes to flush out any loose carbon particles. Once these small particles are washed out the filter is ready for use. The filter life indicator will alternately flash amber & green for the first five minutes after the indicator is manually reset as an aid in timing the filter flushing period. The filter life indicator will then flash only green when the flushing period is complete.
- Daily Use: Allow cold water to run through the filter for 10-15 seconds prior to first use. If the filter has not been used for two days, run cold water through the filter for 30 seconds prior to the first use.

Questions

If you have any questions please call our toll-free helpline at:
1-877-DRINK-H2O (1-877-374-6542)
Monday thru Friday 8am - 8pm EST
Saturday 8am - 6:30pm EST

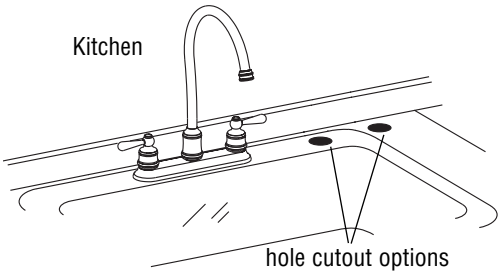
PARTS DESCRIPTION



1	Mounting Tool
2	Spout Nut
3	T Fitting + Stop Valve
4	Mounting Hardware Pack
5	High Profile Spout
6	Low Profile Spout
7	Spout Tip
8	Hose Assemblies (2)
9	Escutcheon w/Filter Life Indicator and LED Wire
10	Handle Insert w/ O-Ring
11	Valve Body w/ Mounting Shank
12	Filter Life Indicator Module w/ Mounting Bracket
13	Filter Assembly

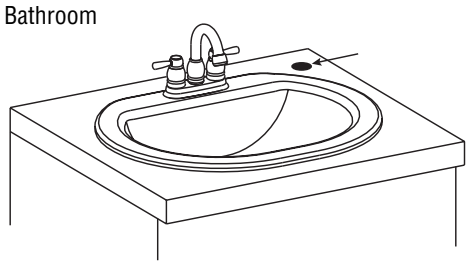
PRE-INSTALLATION TIPS

Recommended tools:
Safety glasses, flash light, drill w/ 1" circular hole saw, punch (optional), phillips screw driver, thread seal tape, 8" adjustable wrenches (2), pliers, tape measure.



Determining the location for install

The PureTouch® AquaSuite can be installed near a kitchen or bathroom sink. The AquaSuite faucet may be installed either to the left or right of your current faucet. When you install the AquaSuite you will have the choice of orienting the handle direction for easy operation on the left or right side of your kitchen or bath faucet.



Decide which spout you will install (low profile or high profile – see page 4 for picture) and ensure that spout will extend far enough into the sink for your filtration needs. If installing the low profile spout, the recommended distance from edge of sink to center of installation hole is 4-1/4" to 4-3/4". If installing the high profile spout, the recommended distance from edge of sink to center of installation hole is 3-1/2" to 4".

The AquaSuite faucet can easily fit into a pre-existing hole such as those used for a soap dispenser or kitchen faucet side spray. If a hole is not already available, you'll need to cut out a 1" diameter hole in the location on the sink or countertop where you wish to install the faucet, making sure that the location is a flat surface with minimal obstruction. A 1" diameter hole is recommended but can be as large as 1-5/8" diameter.

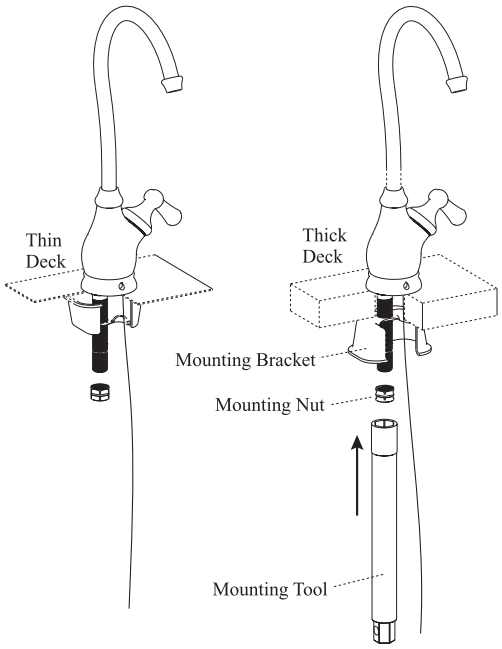
INSTALLATION INSTRUCTIONS

AquaSuite™ Faucet Installation

After determining in which location you will install your PureTouch AquaSuite (may involve drilling mounting hole – see page 5), install gasket onto escutcheon and drop LED wire through mounting hole. Orient filter life indicator to the front so it will be visible during faucet use.

Thread handle insert into valve body with mounting shank and drop through mounting hole, taking care to orient the handle to either the left or right side for comfortable use.

To install the mounting bracket, you must first determine your deck thickness. Your deck thickness determines whether the mounting bracket is installed open side up or down. A minimum of 1/2" of mounting shank must be exposed for proper attachment of the supply hose from the filter. Position mounting bracket onto mounting shank. Install mounting nut and tighten by hand. Be sure that faucet is positioned evenly on the mounting surface. Make final tightening of mounting nut with mounting tool (supplied).



⚠ **CAUTION: Be careful not to pinch the LED Wire when tightening the faucet into place.**

Select either low profile or high profile spout to install (see page 5). Slide spout through spout nut with the flared side of the nut facing down. Insert spout into valve body and thread nut onto valve body. Thread spout tip onto spout and tighten.

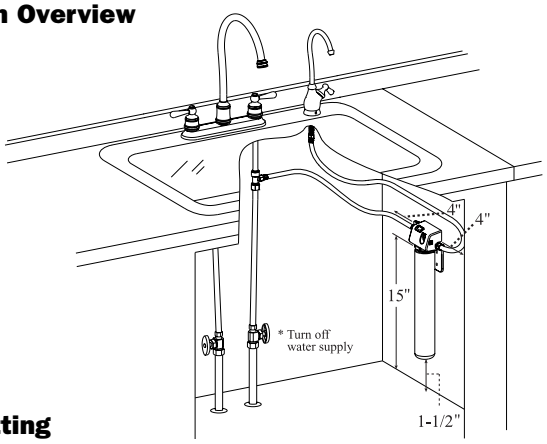
INSTALLATION INSTRUCTIONS

Installation of Filtration Unit

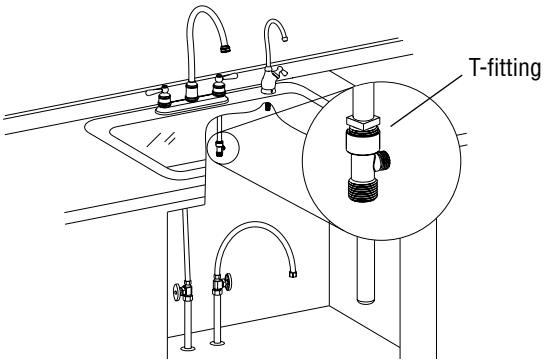
Determine the best location for the installation of the undersink filtration unit. Ensure that the hose connections will reach from the water supply to the water inlet on the filter unit, and the hose connection from the water outlet of the filter unit up to the connection under the faucet. **Make sure water supply is turned off before proceeding.**

⚠ **CAUTION: Risk of property damage. Do not install unit where the temperature may drop below freezing.**

Installation Overview



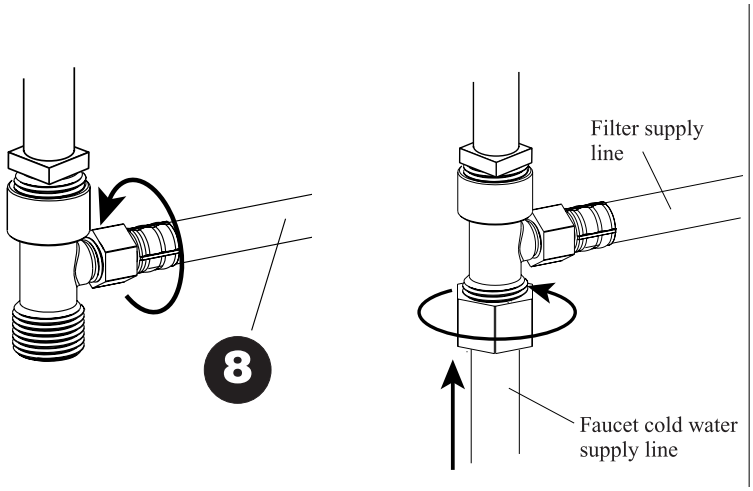
Install T-fitting



The T-fitting (packaged in the T-fitting & Stop Valve hardware pack **(3)**) is used to divert the cold water supply to the filtration unit. Install the T-fitting into the cold water line as shown.

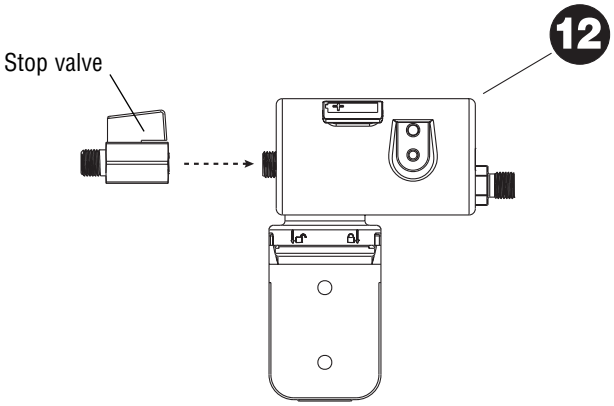
1. Attach the T-fitting with washer to the rigid leg of your faucet or stop valve. Hold the supply leg of the faucet steady by putting a wrench or pliers on the flats of the supply leg fitting when tightening the T-fitting.

Note: The T-fitting can be installed at either end of the cold water supply line depending on your line configuration and ease of installation.



2. Screw one end of the Hose Assembly **(8)** onto the T-Fitting. Hold the T-Fitting while tightening the Hose Assembly Nut.
3. Finally, connect the sink's cold water supply line to the remaining open end of the T-Fitting.

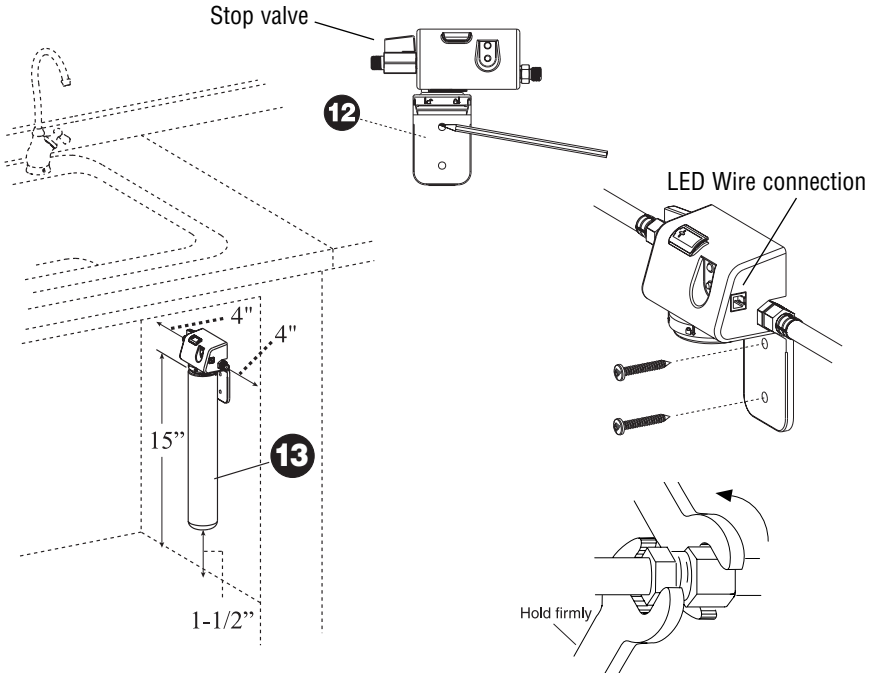
Attach Filter Mounting Bracket to Cabinet Wall



Begin by screwing the Stop Valve (packaged in the T-fitting & Stop Valve hardware pack **(3)**)to the Filter Life Indicator Module **(12)** taking care not to overtighten plastic threads on the Filter Life Indicator Module. Tighten snugly until black lever is facing the front or top for easy shut off when changing filter in the future.

⚠ **CAUTION: The Stop Valve must be installed to allow filter replacement.**

INSTALLATION INSTRUCTIONS



When determining the location of the bracket make sure you leave **at least** 1–1/2" of free space from the floor surface to the bottom of the filter **(13)** (or 15" from floor to the underside filter connection of the Filter Life Indicator Module **(12)**), and **at least** 4" of space on both sides to make the hose connections.

1. With the filter removed, use the Filter Life Indicator with Mounting Bracket **(12)** as a template for marking the location of the mounting screws.
2. Connect one hose from the T-fitting to the Stop Valve on the Filter Life Indicator Module. Connect the other hose from the Filter Life Indicator Module outlet, up to the faucet. Make sure that all connections are at least finger tight.
3. Attach the Filter Life Indicator with Mounting Bracket securely to the wall using the self threading screws (supplied). If the cabinet wall is not solid wood, locate the bracket so that the screws penetrate a wall stud to allow adequate support for the weight of the filter unit.
4. Using 2 wrenches, tighten all hoses securely to the Filter Life Indicator Module. Use one wrench to hold the bracket firmly while using the second wrench to tighten the hose nut. Attach filter to the Filter Mounting Bracket (See "*Filter Installation/Replacement*" on page 10). Connect LED Wire to the Filter Life Indicator Module.

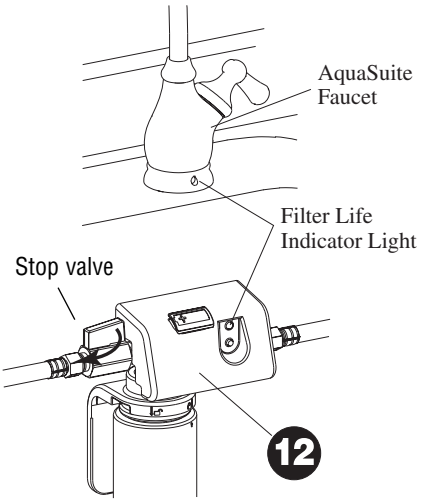
⚠ **CAUTION: Take care not to overtighten or crossthread the hose connections on the plastic threads of the Filter Life Indicator Module.**

FILTER INSTALLATION / REPLACEMENT

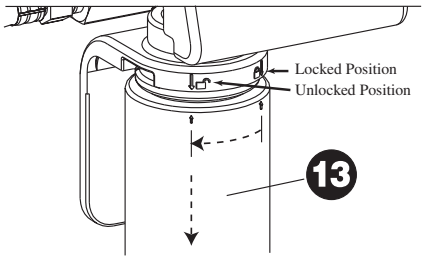
1. The filter needs to be replaced when the Filter Life Indicator Light begins to flash red. A flashing amber light indicates less than 8% filter life remaining.
2. Turn off water pressure by closing the Stop Valve located next to the Filter Life Indicator Module **(12)**. Turn lever of stop valve to form a 90° angle with the hose. Open position of stop valve shown below.

⚠ **CAUTION: The Stop Valve must be closed before removal of filter.**

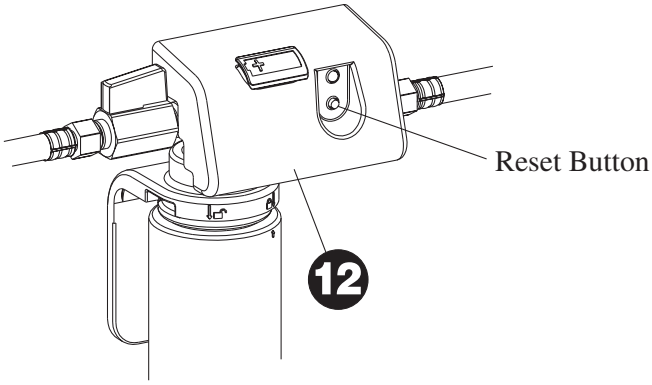
3. Next, turn the AquaSuite faucet handle to the full 'ON' position for several seconds to relieve any remaining water pressure, then turn back 'OFF'.
4. Rotate the filter **(13)** by moving the arrow from the locked position until it comes to a complete stop in the unlocked position.
5. Pull the filter down and out of the Filter Mounting Bracket. It is normal for a small amount of water to drip from the mounting bracket when the filter is removed.
6. Remove new filter from packaging and install by reversing steps 4 and 5 above.
7. Turn on water pressure by opening the Stop Valve.
8. Turn the AquaSuite faucet lever to the full 'ON' position for several seconds to confirm proper operation of the filter and turn back 'OFF'.



⚠ **CAUTION: Air pressurization of the filter occurs once the stop valve is opened following a new filter installation. Make sure to relieve the pressure in the system by opening up the AquaSuite faucet valve after you open the stop valve on the Filter Life Indicator Module.**



FILTER INSTALLATION / REPLACEMENT



9. Reset the Filter Life Indicator Module by pushing the reset button on the Filter Life Indicator Module **(12)**.
10. A new filter must be flushed with cold water for 5 minutes after it is installed. This procedure helps clean the filter of loose carbon particles. The Filter Life Indicator Lights will alternate green and amber until flushing is complete. Once completed, the light will change to flashing green.
11. Filter replacement complete.

MICROTECH REPLACEMENT FILTERS

Replacement filters can be purchased at retail home centers, plumbing supply warehouses, internet retailers and directly from Moen at www.pure-touch.com.

OPERATING INSTRUCTIONS

Controlling the Water

Turn the handle on the valve body 1/4 turn clockwise to activate water flow. Return valve to original position to shut off water flow.

⚠ **CAUTION: Only filter cold water. Do not filter water above 100° F.**

Electronic Indicator

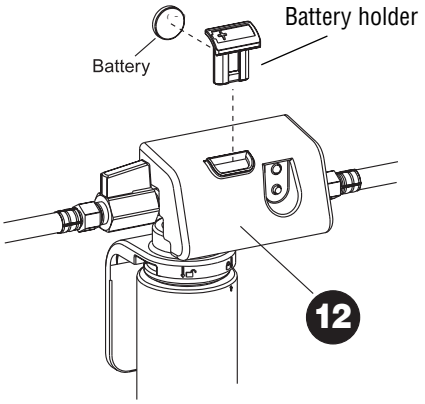
The flashing light on the Filter Life Indicator Module provides information regarding the performance of the filter. The indicator provides you with information throughout the life of the filter. Only reset the indicator when installing a new filter. Resetting the indicator at any other time will cause incorrect filter life indication.

Indicator Color	Meaning	Performance
Amber & Green (flashing)	New filter installation - Green/amber display flashing for first 5 min. or 5 gal. of operation (0.7% of life)	A new filter must be flushed with cold water for 5 minutes after it is installed. This procedure helps clean the filter of loose carbon particles.
Green (flashing)	Normal operation - Green display flashing for 685 min. or 685 gal. of operation (91.3% of life)	Filter performing at optimum efficiency.
Amber (flashing)	Filter nearing end of life - Amber display flashing for 60 min. or 60 gals. of operation (8% of life)	Caution: filter is ready for replacement (less than 8% of life left).
Red (flashing)	End of filter life	Filter life is depleted. Discard old filter and replace with a new MicroTech 9000.

The electronic indicator is powered by a replaceable, standard 3V lithium watch battery (2032) and should last up to 2 years of normal operation.

BATTERY REPLACEMENT

Replace battery when no light appears. Locate battery compartment on the Filter Life Indicator Module **(12)**. Pull out battery holder and replace battery. Keep the battery and battery compartment dry. The electronic indicator will retain the correct filter life information when the battery tray is removed and replaced. A new battery should last up to 2 years under normal operating conditions.



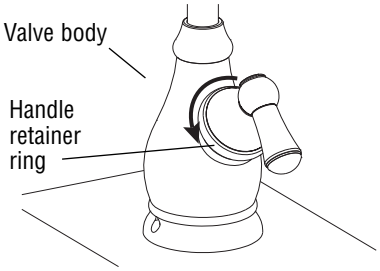
FAUCET DISASSEMBLY

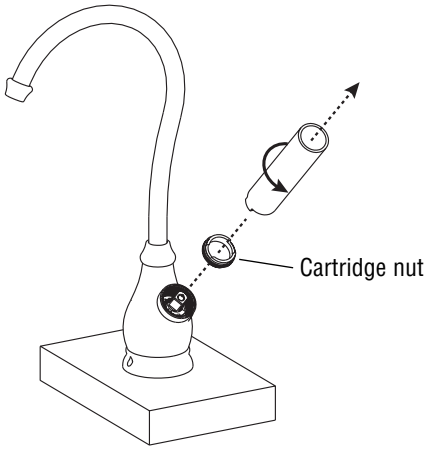
This faucet uses a standard Moen cartridge that will provide years of trouble free usage. If necessary, the following procedure shows how to remove and replace this cartridge.

⚠ **CAUTION: Make sure water supply is turned off before proceeding.**

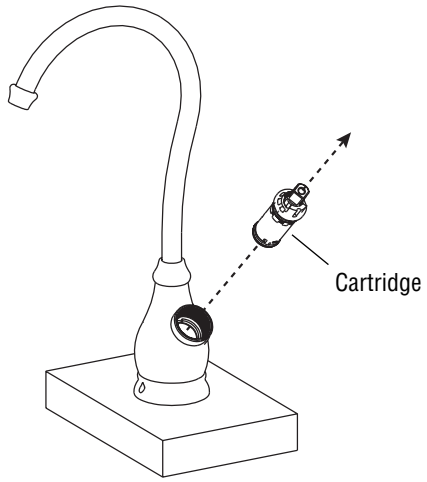
1. Turn the Handle Retainer Ring Counterclockwise (CCW) and remove handle assembly from Valve Body.

2. Remove the Cartridge Nut using the removal tool (not supplied). Call the PureTouch helpline number noted below if you need a cartridge removal tool (part #14272).





FAUCET DISASSEMBLY



3. Grasp the stem of the cartridge with pliers and pull straight out. This will remove the cartridge as one unit.

For reassembly reverse the steps above.

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CAUTION: Be careful not to damage the rubber seals when reinstalling cartridge. During installation be sure of the following:

- Stem must be in open position
- Key in cartridge fits into notch on valve body
- Start cartridge nut by hand; do not cross thread
- Tighten firmly

TROUBLESHOOTING

PROBLEM: **Filter life indicator is still red after installing a new filter.**
POSSIBLE CAUSES: *Filter life indicator was not reset.*
SOLUTION: Perform reset sequence.

PROBLEM: **Slow or uneven water flow.**
POSSIBLE CAUSES: *The filter has been installed for too long.*
SOLUTION: Recommend replacement of the filter every six months. Replace the filter.

PROBLEM: **Slow or uneven water flow.**
POSSIBLE CAUSES: *The filter has become clogged.*
SOLUTION: Replace the filter. Filter may be clogged with captured contaminants. If problem persists call Moen's PureTouch Helpline at 1-877-DRINK-H2O (1-877-374-6542.)

PROBLEM: **Electronic display doesn't function.**
POSSIBLE CAUSES: *Dead battery.*
SOLUTION: Replace battery.

PROBLEM: **Water contains tiny black particles.**
POSSIBLE CAUSES: *New filters contain activated carbon, which is a harmless black powder.*
SOLUTION: Turn on the faucet and allow the carbon particles to purge from the filter. Turn off the faucet when the water is clear.

PROBLEM: **Water has a chlorine taste and/or odor present.**
POSSIBLE CAUSES: *Filter is no longer removing chlorine from the water supply.*
SOLUTION: Replace filter.

PROBLEM: **Water has air bubbles and is cloudy.**
POSSIBLE CAUSES: *Air in system after installation or filter replacement.*
SOLUTION: Will go away after water runs for a while.

PROBLEM: **Faucet handle is loose.**
SOLUTION: Tighten the Handle Retainer Ring by turning it clockwise.

Care and Maintenance

All that is needed to clean your faucet is a soft damp cloth. Moen does not recommend the use of scour pads, cleansers or chemicals. The abrasive nature of these substances could damage the faucet's finish.

PURETOUCH® AQUASUITE™ FILTERING SYSTEM WARRANTY

Definitions:

"*Faucet*" – That part of the Pure Touch AquaSuite Filter System that includes all parts installed above the sink. (numbers 2, 5-7, 9-11; See "Parts Description" on page 4).

"*Filtering Unit*" – All undersink parts including Filter bracket, Electronics, Hoses, etc. (numbers 3-4, 8, 12; See "Parts Description" on page 4).

"*Filter*" – That part of the PureTouch AquaSuite Filtering System that is to be replaced once 750 gallons of water have run through the system (number 13; See "Parts Description" on page 4).

Moen products have been manufactured under the highest standards of quality and workmanship. Moen warrants to the original consumer purchaser that for as long as the original consumer purchaser occupies the location of original product installation (the "Warranty Period"), that the Faucet (see definition for "Faucet" above) will be leak and drip-free during normal use and all parts and finishes of the Faucet will be free from defects in material and manufacturing workmanship (the "Consumer Faucet Warranty Period"). All parts and finishes of the Filtering Unit (see definition for "Filtering Unit" above) will be free from defects in material and manufacturing workmanship for a period of one (1) year from the original date of purchase (the "Consumer Filtering Unit Warranty Period"). All other purchases (including purchases for industrial, commercial and business use) are warranted for a period of five (5) years from the original date of purchase (the "Commercial Warranty Period") for the Faucet ("Commercial Faucet Warranty Period") and six (6) months for the Filtering Unit ("Commercial Filtering Unit Warranty Period"). The Filter (see definition for "Filter" above) is warranted to all purchasers to be free from defects in material and manufacturing workmanship for a period of thirty (30) days from the original date of purchase ("Filter Warranty Period").

If the Faucet should develop a leak or drip during the applicable "Faucet Warranty Period," Moen will FREE OF CHARGE provide the parts necessary to put the faucet back in good working condition and will replace FREE OF CHARGE any part or finish that proves defective in material and manufacturing workmanship under normal installation, use and service. If the Filtering Unit should prove defective in material and manufacturing workmanship under normal installation, use and service during the applicable "Filtering Unit Warranty Period," Moen will replace any part or finish FREE OF CHARGE. If the Filter should prove defective in material and manufacturing workmanship under normal installation, use and service during the "Filter Warranty Period," Moen will replace the Filter FREE OF CHARGE. Replacement parts may be obtained by calling 1-800-289-6636 (1-800-465-6130 in Canada), or by writing to the address shown on the back of this booklet. Proof of purchase (original sales receipt) from the original consumer purchaser must accompany all warranty claims. Defects or damage caused by the use of other than genuine Moen parts are not covered by this warranty. This warranty is applicable only to faucets purchased after February 2001 and shall be effective from the date of purchase as shown on the purchaser's receipt.

This warranty is extensive in that it covers repair or replacement of defective parts and finishes for the periods indicated. However, damage due to installation error, product abuse, product misuse or use of cleaners containing abrasives, alcohol or other organic solvents, whether performed by a contractor, service company or yourself, is excluded from this warranty. Moen will not be responsible for labor charges and/or damage incurred in installation, repair or replacement, nor for any indirect, incidental or consequential damages, losses, injury or costs of any nature relating to this product or its parts. Except as provided by law, this warranty is in lieu of and excludes all other warranties, conditions and guarantees, whether expressed or implied, statutory or otherwise, included without restriction those of merchantability or of fitness for use.

Some states, provinces and nations do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary by state, province or nation. Moen will advise you of the procedure to follow in making warranty claims. Simply write to, or call Moen. Explain the defect and include proof of purchase and your name, address, area code and telephone number.

NOTES